

MODIS Technical Team Meeting
Thursday, May 26, 2005
Building 33, Room E125

Vince Salomonson chaired the meeting. In attendance were Jack Xiong, Ed Masuoka, Dorothy Hall, Steve Kempner, Wayne Esaias, Bruce Guenther, Al Flaig, Steve Platnick, Gregory Leptoukh, Robert Wolfe, Lorraine Remer, Chris Justice, and Barbara Conboy, with Holli Riebeek taking the minutes.

1.0 Upcoming Events

- IGARSS 2005, July 25-29, Seoul, South Korea. Abstracts deadline past (December 8, 2004). <http://www.igarss05.org/>

2.0 Meeting Minutes

2.1 General Discussion

Salomonson asked about the schedules for reprocessing campaigns for atmosphere, ocean and land products. The current schedule has a June start for the atmosphere reprocessing, with sea surface temperature joining the reprocessing in July. The Collection 5 reprocessing for atmosphere products will likely be completed in early 2006. The Land Collection 5 reprocessing will begin no earlier than October 2005, and on the present schedule be completed sometime in early 2007. Salomonson observed that contracts under which the science team is funded for algorithm maintenance may expire before the completion of the Collection 5 reprocessing for land products or the start of the Collection 6 reprocessing campaign.

Salomonson asked about land and ocean summaries in the MODIS science team meeting minutes. Justice reports that the summary for Land is at end of the notes for the plenary meeting and the presentations are also available. Salomonson decided to add a note to the minutes to indicate that the summaries for land and ocean group sessions are in the plenary session presentations/notes. For details regarding land and ocean group session presentations people should be referred to the presentations stored in the Science Team "meetings" section specifically for the March 2005 meeting.

Masuoka reported that he ordered storage and compute servers to move out on producing simulated VIIRS products and comparing them with MODIS products. Since the equipment is lightly used at present, it will be shaken out by using it to accelerate the early MODIS reprocessing campaigns.

Xiong reported that he is going to help Dorothy Hall and Jian-Ping check Aqua Bands 6 and 7 regarding comparison of snow-mapping performance.

2.2 Instrument Status

2.2.1 Aqua MODIS

Xiong reported that one of the SRCA 10W lamps on Aqua is problematic. Last week's spatial test was stopped in the middle, and an anomaly meeting was held

last Thursday to determine what the problem was. The circuitry looks like one of the lamps is not working, but it's not clear which one. A study team has been formed to assess the problem, its causes, and its effects.

2.3 SDST

Steve Kempler provided a list of ESDTs (Earth Science Data Types) that he recommended be removed from the GES DAAC. Masuoka described what the ESDTs were used for and noted that most of them were not associated with MODIS standard products, but were created by GES DAAC to support their MODIS-related projects like Direct Broadcast testing or the creation of on-demand subsets. The DAAC was given approval to delete all of the ESDTs on their list except those holding Level 1 Look-up Tables and static ancillary products, since users will not be able to order these files from the DAAC once the ESDTs are deleted.

2.4 Atmosphere

Platnick reported that he is looking at results from the PGE 06 science testing and has identified several bugs in the software. In addition, one portion of the PGE 06 code was never delivered by its programmer, so Platnick is writing it now. There is also a metadata field that needs to be written in the Collection 5 products, and that fix will be included in the next delivery.

2.5 Land

Wolfe reported that the MODAPS system has caught up on the 16-day Land processing gap for Terra that occurred when processing was halted because the ancillary ozone product from NOAA wasn't being produced. MODAPS still has a gap in Aqua forward processing, but that is expected to be closed next week. There was a short discussion of the different ozone ancillary data products used by the MODIS Land, Ocean and Atmosphere disciplines now that the common ozone ancillary data product is no longer being produced by NOAA.

Justice reported that he is working on writing papers that provide the rationale for certain Land products becoming Earth System Data Records (ESDRs) and other activities related to a Land measurement team. He would like to see the MODIS Land data products review scheduled after the Land measurement team has made a determination of what products are important for long-term studies and has had a chance to weigh in on which Land products should be produced as ESDRs.

Wolfe is putting together a template that describes what information should be included for each product. This will help give a common look to the Land presentation and aid the Science Team in preparing for the review.

Justice reported that MODIS has been a tremendous success. It is pervasive everywhere. Publications and meetings are consistently increasing. He also reported that the USDA head said NASA is doing a great job their collaborations with the Foreign Agriculture Service (FAS).

3.0 Action Items

3.1 New Action Items

No new action items.

3.2 Old Action Items

3.2.1 Robert Wolfe will check on the status of the ephemeris problem on Aqua.
Status: Open.